# PORTFOLIO OF EVIDENCE

## MADINI, THAPELO
## 30480116
*ESFP*

Web Development;AI;Automation;
Last semester I got to learn alot about AI and I want to further my knowledge and discover more about AI

Most proficient in:
C#;C++;

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# 1 MODERATION PREPARATION

## 1.1 Introduction

As part of the preparation for this module, a form was provided to allow students an opportunity to provide details about themselves. Based on the responses received, the following basic information details were captured:

| Student Number | 30480116 |
|---|---|
| Initials & Surname | MADINI, THAPELO |
| Preferred Name | Mpho Madini |
| Preferred Email Address | mphomadini8@gmail.com |
| Date of Birth | 1999-06-01 |
| Campus & Delivery Method | Vaal - Contact |
| LinkedIn Profile | www.linkedin.com/in/mpho-madini-4a9998242 |
| GitHub Profile | https://github.com/Sdeezy99 |
| Stack Overflow Profile | https://stackoverflow.com/users/22808262/mpho-madini |

**Table 1-1: Basic Student Information**

## 1.2 Pre-CMPG323 Skillset

Prior to the commencement of work, students were prompted to provide their current rating of specific skill sets which would be focused on and enhanced throughout the semester. Each skill has been rated as follows:

| Skill | Rating |
|---|---|
| Agile & Scrum Implementation | 2 |
| API Development | 2 |
| Design & Architectural Patterns Implementation | 2 |
| Testing Approach Implementation | 2 |
| Robotic Process Automation Implementation | 2 |
| Data Visualisation Implementation | 2 |

**Table 1-2: Skills Rating**

The above table is subject to the following rating descriptions:

1. No prior knowledge/experience with implementation
2. Some knowledge but no experience with implementation
3. Some knowledge and experience with implementation

4. Advanced knowledge and experience with implementation

### 1.2.1 Expectations for CMPG323

Well for this module my expectations are to gain experience and more knowledge to make sure that I am ready for the Information Technology Industry.

### 1.2.2 Ambitions for CMPG323

I want to acquire all the skills that this module has to offer, and I am looking forward to learn more about Web API and Power BI.

### 1.3 Career Path

A number of questions were posed to students to prompt their investigation into different professions to decide which they would like to pursue. The following responses were captured for each question:

| Career Options | Response |
| --- | --- |
| Entrepreneurship | Yes |
| Non-IT Role | Yes |
| Application for Roles | [IT Roles] |
| Desired Job Role | Database Specialist - design, install, update, modify, maintain, and repair computer database systems to meet the needs of their employers. To do this work they need strong math skills, the ability to work with many variables at once, and a solid understanding of the organization's objectives. |
| Desired Company & Profession | Database Specialist |

**Table 1-3: Career Ambitions**

## 2  Training & Certifications

The following achievements were obtained as part of CMPG323:

| Category | Achievement | Type | Provider | Date | Reflection |
|---|---|---|---|---|---|
| Design Patterns & Standards | Build ASP.NET MVC web applications | Badge | Microsoft | 2023-09-21 | Well Ive learnt the skill to develop with ASP.NET MVC web applications at a high level and also making use of the skills I acquired in project 2 |
| Power BI | Design Power BI reports | Badge | Microsoft | 2023-10-26 | I have learnt about the structure of a Power BI report, report objects and to select the appropriate visual type to use. |
| Power BI | Scope report design requirements | Badge | Microsoft | 2023-10-26 | Determining business goals, Identifying the audience, Determine report types, defining user interface requirements and defining user experience requirements. |
| Source Control | Introduction to source control | Badge | Microsoft | 2023-08-10 | The importance of Agile and Source Control in the working environment |
| Source Control | Introduction to Source Control | Badge | Microsoft | 2023-08-10 | Making use of the source control and what it entails |

| Web API | Create a web API with ASP.NET Core controllers | Badge | Microsoft | 2023-08-31 | Making use of the APi controllers when dealing with web API using ASP.NET |
| Agile | Choose an Agile Approach to software development | Badge | Microsoft | 2023-08-10 | I learnt to create a project in Azure DevOps and also incorporating Agile practices. |

# 3    Project Results

The students were equipped with project briefs for five projects that aimed to guide them through the end-to-end journey of the development lifecycle – from planning to reporting. Each project was assessed individually, according to specific criteria and the results of each project are captured below:

| Project | Result |
|---|---|
| Project 1: Agile | 53% |
| Project 2: Web API | 61% |
| Project 3: Patterns & Standards | 57.79% |
| Project 4: RPA & Testing | 63.36% |
| Project 5: Reporting & Monitoring | 69.24% |

**Table 3-1: Project Results**

Based on the performance detailed above, the student has a participation mark of <part mark>. The participation mark for CMPG323 is subject to the following calculation as part of the module mark:
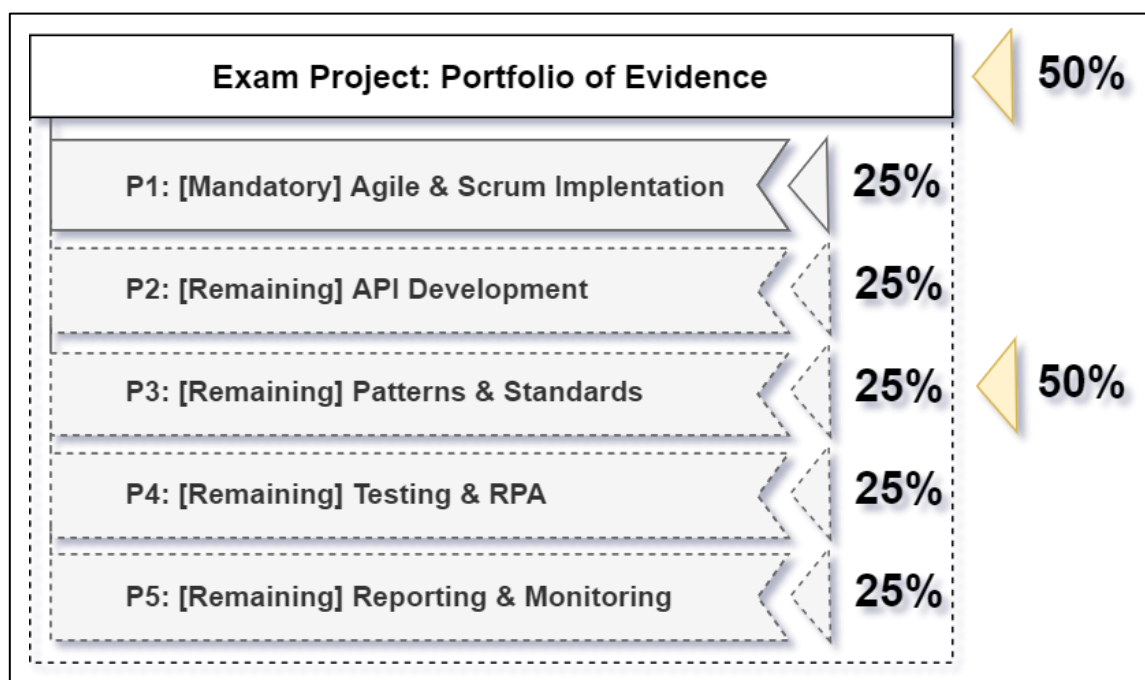


**Figure 3-1: Module Mark Calculation**

## 4 Community Engagement

Students are encouraged to use the development communities around them to extract value from as well as produce value back into. Student contribution and engagement can be measured through multiple forms which require evidence of participation and engagement.

### 4.1 Contributing to a Community or Forum

The student has executed the following tasks as a contribution to a community or forum:

| Platform | Date | Reflection |
|----------|------|------------|
|          |      |            |

### 4.2 Extracting Knowledge from a Community or Forum

The student has executed the following tasks as an extraction of knowledge from a community or forum:

| Platform | Date | Reflection |
|----------|------|------------|
| UiPath | 2022-11-06 | This helped me to be able to extract and read the content of the excel file that was given to us for the project |

## 5  Class Attendance

Students are urged to make every effort to attend the virtual classes held every Thursday morning to ensure that they get the value and are able to utilise the opportunity to ask questions when they do not understand the work. The following attendance has been captured:

| Class | Attendance |
|---|---|
| 20 July 2023 | Attended |
| 27 July 2023 | Did not attend |
| 3 August 2023 | Attended |
| 10 August 2023 | Attended |
| 17 August 2023 | Did not attend |
| 31 August 2023 | Attended |
| 7 September 2023 | Attended |
| 14 September 2023 | Did not attend |
| 12 October 2023 | Attended |

**Table 5-1: Class Attendance**

## 6   Class Participation

Students are urged to make every effort to attend and engage in the virtual classes held every Thursday morning to ensure that they get the value from the class and are able to utilise the opportunity to ask questions when they do not understand the work. The following engagement has been captured as per the completion of class quizzes:

| Activity | Completion |
| --- | --- |
| GitHub Homework | Not Submitted |
| Agile Quiz | Not Submitted |
| Design Patterns & Standards Homework | Not Submitted |
| API Assignment | Submitted |
| ASP.NET Assignment 1 | Not Submitted |
| ASP.NET Assignment 2 | Not Submitted |

**Table 6-1: Class Participation**